

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6390	mobile WITH (communication OR telephone) WITH (camera OR photograph)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:23
L2	0	mobile WITH (communication OR telephone) WITH (camera OR photograph) AND (face WITH (facial ADJ area) WITH region)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:24
L3	13	mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area	US-PGPUB; USPAT	OR	ON	2007/05/01 08:28
L4	8	mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region	US-PGPUB; USPAT	OR	ON	2007/05/01 08:25
L5	4	mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region AND eyes	US-PGPUB; USPAT	OR	ON	2007/05/01 08:25
L6	2	mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region AND eyes AND first WITH value	US-PGPUB; USPAT	OR	ON	2007/05/01 08:26
L7	130831	detect\$3 WITH ( face OR (facial ADJ area) OR region)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:30
L8	3333	detect\$3 WITH ( face OR (facial ADJ area) OR region) SAME (first WITH value)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:30
L9	93	detect\$3 WITH ( face OR (facial ADJ area) OR region) SAME (first ADJ value)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:31
L10	2	detect\$3 WITH ( face OR (facial ADJ area) OR region) SAME (first ADJ value) SAME (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:34
L11	0	mobile WITH phone WITH face WITH eyes WITH camera	US-PGPUB; USPAT	OR	ON	2007/05/01 08:35
L12	8	mobile WITH phone SAME face SAME eyes WITH camera	US-PGPUB; USPAT	OR	ON	2007/05/01 08:35
L13	2	mobile WITH phone WITH camera SAME face SAME eyes	US-PGPUB; USPAT	OR	ON	2007/05/01 08:35
L14	7873	mobile WITH phone WITH (camera OR photograph)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:36
L15	484	(mobile WITH phone WITH (camera OR photograph)) AND face AND eyes AND value	US-PGPUB; USPAT	OR	ON	2007/05/01 08:37

## EAST Search History

L16	3	(mobile WITH phone WITH (camera OR photograph)) AND face AND eyes AND (first ADJ value)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:39
L17	218	(mobile WITH phone WITH camera) AND (detect\$3 WITH region)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:40
L18	34	(mobile WITH phone WITH camera) AND (detect\$3 WITH region) AND (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:40
L19	55	(mobile WITH phone WITH camera) AND (detect\$3 WITH (region OR face)) AND (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:44
L20	45	(mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/05/01 09:22
L21	38	(mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND value	US-PGPUB; USPAT	OR	ON	2007/05/01 08:44
L22	14	(mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:45
L23	9	(mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value) AND (second WITH value)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:45
L24	8	(mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value) AND (second WITH value) AND difference	US-PGPUB; USPAT	OR	ON	2007/05/01 08:45
L25	1	("20040180690").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 09:51
L26	1	("20050221856").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 10:25
L28	6	(first WITH value WITH midpoint WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/05/01 10:29
L31	32	mobile WITH phone WITH camera AND face AND shoulder AND eyes	US-PGPUB; USPAT	OR	ON	2007/05/01 10:31
L33	2237246	mobile WITH phone WITH camera AND face AND shoulder AND eyes value	US-PGPUB; USPAT	OR	ON	2007/05/01 10:32
L34	29	mobile WITH phone WITH camera AND face AND shoulder AND eyes AND value	US-PGPUB; USPAT	OR	ON	2007/05/01 10:32

## EAST Search History

L35	2237243	mobile WITH phone WITH camera SAME face AND shoulder AND eyes value	US-PGPUB; USPAT	OR	ON	2007/05/01 10:32
L36	2237243	mobile WITH phone WITH camera SAME face SAME shoulder AND eyes value	US-PGPUB; USPAT	OR	ON	2007/05/01 10:33
L40	7	mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value	US-PGPUB; USPAT	OR	ON	2007/05/01 10:34
L41	5	mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector	US-PGPUB; USPAT	OR	ON	2007/05/01 10:34
L42	0	mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 10:34
L43	5	mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector	US-PGPUB; USPAT	OR	ON	2007/05/01 10:36
L44	57	face SAME shoulder SAME eyes AND value AND vector	US-PGPUB; USPAT	OR	ON	2007/05/01 10:37
L45	29	face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle)	US-PGPUB; USPAT	OR	ON	2007/05/01 10:37
L46	27	face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 10:37
L47	2	face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle AND mobile	US-PGPUB; USPAT	OR	ON	2007/05/01 10:39
L48	0	face AND recogniton SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 10:39
L49	27	face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 11:07
L50	7697	face WITH recognition AND eyes AND shoulder\$3 AND midpoint OR middle AND horizontal AND vertical AND vector AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 11:09
L51	88	face WITH recognition AND eyes AND shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 11:09
L52	19	face WITH recognition AND eyes SAME shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 11:09

## EAST Search History

L53	0	face WITH recognition AND eyes SAME (shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle )	US-PGPUB; USPAT	OR	ON	2007/05/01 11:09
L54	19	face WITH recognition AND eyes SAME shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle	US-PGPUB; USPAT	OR	ON	2007/05/01 11:23
L55	1	("20050221856").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 11:24
L56	8	face WITH recognition SAME angle SAME vector AND horizontal AND shoulder\$ AND eyes	US-PGPUB; USPAT	OR	ON	2007/05/01 11:26
L57	15	face WITH recognition SAME angle AND vector AND horizontal AND shoulder\$ AND eyes	US-PGPUB; USPAT	OR	ON	2007/05/01 12:53
L58	1	"20050221856"	US-PGPUB; USPAT	OR	ON	2007/05/01 12:54
L59	1	"20030063778"	US-PGPUB; USPAT	OR	ON	2007/05/01 12:54
L60	1	"20030100261"	US-PGPUB; USPAT	OR	ON	2007/05/01 12:55
L61	14	"6611613"	US-PGPUB; USPAT	OR	ON	2007/05/01 12:55
L62	1	("6611613").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:48
L63	845	(382/181).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:48
L64	1239	(382/190).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:48
L65	293	(382/117).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:48
L66	740	(382/118).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:48
S1	1	("6631174").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 08:22
S2	4	(image WITH processing WITH unit WITH detect\$3 WITH first WITH difference) AND (mobile WITH communication)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:49
S3	111	image WITH processing WITH unit WITH detect\$3 WITH first WITH difference	US-PGPUB; USPAT	OR	ON	2007/04/19 16:22
S4	5	image WITH processing WITH unit WITH detect\$3 WITH first WITH difference AND mobile	US-PGPUB; USPAT	OR	ON	2007/04/19 16:29

## EAST Search History

S5	339	(382/313).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:30
S6	394	(382/296).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:32
S7	1121	(382/254).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:34
S8	2112	(455/566).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:34
S9	2478	(455/550.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:35
S10	1	382/313.ccls. AND(mobile WITH communication WITH (camera OR photograph))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:31
S11	0	(382/296.ccls. AND(mobileWITHcommunicationWITH (cameraORphotograph))).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/19 16:32
S12	5	382/254.ccls. AND(mobile WITH communication WITH (camera OR photograph))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:32
S13	5277	382/254(mobile WITH communication WITH (camera OR photograph))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:33
S14	80	455/566.ccls. AND(mobile WITH communication WITH (camera OR photograph))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:34
S15	68	455/550.1.ccls. AND(mobile WITH communication WITH (camera OR photograph))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:35
S16	4	(image WITH processing WITH unit SAME detect\$3 WITH first WITH difference) AND (mobile WITH communication)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:49
S17	24	( processing WITH unit SAME detect\$3 WITH first WITH difference) AND (mobile WITH communication)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:49
S20	158	initialization WITH value WITH set WITH user	US-PGPUB; USPAT	OR	ON	2007/04/19 17:09
S21	0	(image WITH processing WITH unit)AND( mobile WITH communication ) AND (initialization WITH value WITH by WITH user)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:09
S22	0	( mobile WITH communication ) AND (initialization WITH value WITH by WITH user)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:09
S23	7	initialization WITH value WITH set WITH user AND ( mobile WITH communication )	US-PGPUB; USPAT	OR	ON	2007/04/21 10:19

## EAST Search History

S24	2833	first WITH operational WITH function	US-PGPUB; USPAT	OR	ON	2007/04/21 10:20
S25	136	(first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:20
S26	1	(user WITH first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:21
S27	3	user SAME ( first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:21
S28	3	(user SAME first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:22
S29	4	(user AND first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:22
S30	1	(mobile WITH communication) AND (user AND first WITH operational WITH function)SAME (first WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:22
S31	22665	mobile WITH communication WITH user	US-PGPUB; USPAT	OR	ON	2007/04/21 10:23
S32	0	mobile WITH communication WITH user WITH set\$3 WITH first WITH operational WITH function	US-PGPUB; USPAT	OR	ON	2007/04/21 10:23
S33	4	mobile WITH communication WITH user WITH first WITH operational WITH function	US-PGPUB; USPAT	OR	ON	2007/04/21 10:24
S34	19	mobile WITH communication AND user WITH first WITH operational WITH function	US-PGPUB; USPAT	OR	ON	2007/04/21 10:24
S35	2	mobile WITH communication AND user WITH first WITH operational WITH function AND first WITH difference	US-PGPUB; USPAT	OR	ON	2007/04/21 10:26
S36	18	mobile WITH communication WITH user WITH first WITH operational	US-PGPUB; USPAT	OR	ON	2007/04/21 10:29
S37	4	mobile WITH communication WITH user WITH first WITH operational WITH function	US-PGPUB; USPAT	OR	ON	2007/04/21 10:26
S38	1	(mobile WITH communication) AND (user WITH sets WITH first WITH operational NEAR1 function)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:30
S39	4	(mobile WITH communication) AND (user WITH sets WITH first WITH operational WITH function)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:43
S40	294	(mobile WITH communication) SAME (operational WITH function)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:44

## EAST Search History

S41	9	(mobile WITH communication) SAME (setting WITH operational WITH function)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:44
S42	3	(mobile WITH communication) SAME (setting WITH operational WITH function WITH control)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:44
S43	1	(mobile WITH communication) SAME (setting WITH operational WITH function WITH control WITH information)	US-PGPUB; USPAT	OR	ON	2007/04/21 10:44
S44	2	(mobile WITH communication) SAME (setting WITH operational WITH function SAME ( control WITH information))	US-PGPUB; USPAT	OR	ON	2007/04/21 10:45
S45	9	(mobile WITH communication) SAME (setting WITH operational WITH function )	US-PGPUB; USPAT	OR	ON	2007/04/21 10:47
S46	41	(mobile WITH communication) AND (setting WITH operational WITH function )	US-PGPUB; USPAT	OR	ON	2007/04/21 11:26
S47	419	(mobile WITH communication) AND (extract\$3 WITH first WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:34
S48	1	(mobile WITH communication) AND (extract\$3 WITH first WITH value) AND (compar\$3 WITH first WITH value WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:29
S49	5	(extract\$3 WITH first WITH value) AND (compar\$3 WITH first WITH value WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:28
S50	6	(mobile WITH communication) AND (compar\$3 WITH first WITH value WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:29
S51	9	(mobile WITH communication) AND (extract\$3 WITH first WITH value AND (initialization WITH value))	US-PGPUB; USPAT	OR	ON	2007/04/21 11:54
S52	13	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:56
S53	1	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH first WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:57
S54	1	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (first WITH value) AND (comprehensive WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:58

## EAST Search History

S55	1	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH value) AND (comprehensive WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:58
S56	1	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 11:58
S57	13	(mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:00
S58	561	(mobile WITH communication) AND (deriv\$3 WITH first WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:24
S59	1	(mobile WITH communication) AND (deriv\$3 WITH first WITH value SAME diagnostic WITH element)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:01
S60	1	(mobile WITH communication) AND (deriv\$3 WITH first WITH value AND diagnostic WITH element)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:02
S61	1	(mobile WITH communication) AND (deriv\$3 WITH first WITH comprehensive WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:04
S62	1	(mobile WITH communication) AND (deriv\$3 WITH first WITH (comprehensive OR covering ) WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:04
S63	6	(mobile WITH communication) AND (deriv\$3 WITH comprehensive WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:06
S64	1	(mobile WITH communication) AND (deriv\$3 WITH first WITH value) AND (diagnostic WITH element)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:08
S65	33	(mobile WITH communication) AND (deriv\$3 WITH first ADJ value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:26
S66	10	(mobile WITH communication) AND (deriv\$3 ADJ first ADJ value)	US-PGPUB; USPAT	OR	ON	2007/04/21 14:21
S67	4	(mobile ADJ communication) AND (deriv\$3 ADJ first ADJ value)	US-PGPUB; USPAT	OR	ON	2007/04/21 12:31
S68	1	("20020142810").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/21 14:21
S69	101566	(mobile WITH communication) (threshold WITH comprehensive WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 14:22
S70	0	(mobile WITH communication) SAME (threshold WITH comprehensive WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 14:22

## EAST Search History

S71	1	(mobile WITH communication) AND (threshold WITH comprehensive WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 14:22
S72	1	(threshold WITH comprehensive WITH initialization WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/21 14:23
S73	1	("6421330").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/21 14:24
S74	1	("6631174").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/21 14:24
S75	1	("20040203363").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/21 14:44
S76	817	detect\$3 WITH diagnostic WITH element	US-PGPUB; USPAT	OR	ON	2007/04/21 14:45
S77	0	detect\$3 WITH diagnostic WITH element WITH face WITH feature WITH head	US-PGPUB; USPAT	OR	ON	2007/04/21 14:46
S78	1	detect\$3 WITH diagnostic WITH element WITH face WITH head	US-PGPUB; USPAT	OR	ON	2007/04/21 14:47
S79	4	diagnostic WITH element WITH face WITH head	US-PGPUB; USPAT	OR	ON	2007/04/21 14:47
S80	0	diagnostic WITH element WITH face WITH feature WITH head	US-PGPUB; USPAT	OR	ON	2007/04/21 14:47
S81	4	diagnostic WITH element WITH face WITH head	US-PGPUB; USPAT	OR	ON	2007/04/21 14:47
S82	1	("20020142810").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:53
S83	1	("20040203363").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:54
S84	1	("6631174").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:54
S85	1	("20030100261").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:55
S86	1	("6898191").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:55
S87	1	("6409660").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:56
S88	1	("4698839").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:57
S89	1	("5544649").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:57
S90	1	("20020058536").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/25 15:33
S91	7	09/505875	US-PGPUB; USPAT	OR	ON	2007/04/25 15:36

## EAST Search History

S92	1	("6678414").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/25 15:37
S93	0	(09/579089).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/25 15:37
S94	4	09/579089	US-PGPUB; USPAT	OR	ON	2007/04/25 15:37
S95	7816	(mobile WITH phone WITH camera)	US-PGPUB; USPAT	OR	ON	2007/04/30 09:47
S96	3	procesing WITH unit WITH control WITH information	US-PGPUB; USPAT	OR	ON	2007/04/30 09:48
S97	11132	operational WITH control WITH unit	US-PGPUB; USPAT	OR	ON	2007/04/30 09:49
S98	21	(mobile WITH phone WITH camera) SAME (process\$3 WITH control WITH information)	US-PGPUB; USPAT	OR	ON	2007/04/30 09:52
S99	4	(mobile WITH phone WITH camera) SAME (process\$3 WITH control WITH information) SAME (operation\$ WITH control WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 09:56
S10 0	3	(mobile WITH phone) WITH (camera WITH face WITH recognition)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:02
S10 1	12	(mobile WITH phone WITH camera) AND (face WITH recognition) AND (process\$3 SAME control SAME operation\$ SAME unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:08
S10 2	1	("20040180690").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 10:12
S10 3	4641	mobile WITH telephone WITH camera	US-PGPUB; USPAT	OR	ON	2007/04/30 10:12
S10 4	4	mobile WITH telephone WITH camera SAME (face WITH recognition)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:13
S10 5	59	(mobile WITH telephone) SAME (camera AND process\$3 WITH unit AND control WITH operation\$3)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:14
S10 6	33	(mobile WITH telephone) SAME (camera SAME process\$3 WITH unit AND control WITH operation\$3)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:15
S10 7	17	(mobile WITH telephone) SAME (camera SAME process\$3 WITH unit SAME control WITH operation\$3)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:18
S10 8	181	(mobile WITH telephone) SAME ( camera SAME operation\$3 SAME control\$3)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:56
S10 9	67	(mobile WITH telephone) SAME ( camera WITH operation\$3 WITH control\$3)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:56

## EAST Search History

S11 0	9	(mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:57
S11 1	2	(mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit) AND face	US-PGPUB; USPAT	OR	ON	2007/04/30 10:58
S11 2	9	(mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 10:59
S11 3	118	(mobile WITH telephone) AND (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:00
S11 4	35	(mobile WITH telephone) SAME (camera SAME operation\$3 SAME control\$3 SAME process\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:00
S11 5	32	(mobile WITH telephone) SAME (camera SAME operation\$3 SAME (control\$3 WITH unit) SAME (process\$3 WITH unit))	US-PGPUB; USPAT	OR	ON	2007/04/30 11:01
S11 6	13	(mobile WITH telephone) SAME (camera SAME (operation\$3 WITH unit) SAME (control\$3 WITH unit) SAME (process\$3 WITH unit))	US-PGPUB; USPAT	OR	ON	2007/04/30 11:01
S11 7	114	mobile WITH telephone WITH camera AND (processing WITH unit WITH control WITH information)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:20
S11 8	2	(mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operational WITH control WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:30
S11 9	39	(mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) AND face	US-PGPUB; USPAT	OR	ON	2007/04/30 11:30
S12 0	2	(mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) AND (face WITH recognition)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:31
S12 1	82	(mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:31
S12 2	2	(mobile WITH telephone WITH camera WITH face) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:32

## EAST Search History

S12 3	82	(mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 11:34
S12 4	58	image WITH operating WITH mobile WITH telephone	US-PGPUB; USPAT	OR	ON	2007/04/30 12:43
S12 5	1	("20050221856").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:35
S12 6	1	("20020058536").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:40
S12 7	1	("20040180690").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:40
S12 8	1	("20050221856").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 13:08
S12 9	457	mobile WITH telephone WITH camera WITH process\$3	US-PGPUB; USPAT	OR	ON	2007/04/30 13:14
S13 0	12	mobile WITH telephone WITH camera WITH process\$3 AND line AND length AND face AND eyes	US-PGPUB; USPAT	OR	ON	2007/04/30 13:12
S13 1	164	mobile NEAR1 telephone WITH camera WITH processing	US-PGPUB; USPAT	OR	ON	2007/04/30 13:14
S13 2	2	mobile NEAR1 telephone WITH camera WITH processing SAME (line AND length AND eyes OR face)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:17
S13 3	0	mobile NEAR1 telephone WITH camera WITH processing SAME (line AND length AND eyes AND face)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:18
S13 4	0	mobile WITH telephone WITH camera WITH face WITH horizontal WITH line WITH vertical WITH line	US-PGPUB; USPAT	OR	ON	2007/04/30 13:20
S13 5	0	mobile WITH telephone WITH camera WITH face SAME horizontal AND line AND vertical AND line	US-PGPUB; USPAT	OR	ON	2007/04/30 13:21
S13 6	0	processing WITH compar\$ WITH (face AND horizontal WITH line) AND mobile WITH telephone	US-PGPUB; USPAT	OR	ON	2007/04/30 13:23
S13 7	1	("6405045").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 13:25
S13 8	16	processing WITH unit SAME comparing WITH face AND length	US-PGPUB; USPAT	OR	ON	2007/04/30 13:27
S13 9	0	processing WITH unit SAME comparing WITH face AND length WITH mobile WITH telephone WITH camera	US-PGPUB; USPAT	OR	ON	2007/04/30 13:27

## EAST Search History

S14 0	0	processing WITH unit SAME face AND length WITH mobile WITH telephone WITH camera	US-PGPUB; USPAT	OR	ON	2007/04/30 13:28
S14 1	0	processing WITH unit SAME face AND length WITH mobile WITH telephone	US-PGPUB; USPAT	OR	ON	2007/04/30 13:28
S14 2	53	processing WITH unit SAME face AND length AND mobile WITH telephone	US-PGPUB; USPAT	OR	ON	2007/04/30 13:28
S14 3	28	processing WITH unit SAME face AND length AND mobile WITH telephone WITH camera	US-PGPUB; USPAT	OR	ON	2007/04/30 13:28
S14 4	28	(processing WITH unit SAME face AND length) AND ( mobile WITH telephone WITH camera)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:34
S14 5	1	(processing WITH unit SAME comparing WITH face AND length) AND ( mobile WITH telephone WITH camera)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:29
S14 6	199174	mobile WITH telephone WITH camera SAME face AND length OR line AND eyes	US-PGPUB; USPAT	OR	ON	2007/04/30 13:35
S14 7	21878	mobile WITH telephone WITH camera SAME face AND length OR line AND eyes AND processing WITH unit	US-PGPUB; USPAT	OR	ON	2007/04/30 13:36
S14 8	21857	mobile WITH telephone WITH camera SAME comparing WITH face AND length OR line AND eyes AND processing WITH unit	US-PGPUB; USPAT	OR	ON	2007/04/30 13:36
S14 9	0	mobile WITH telephone WITH camera SAME comparing WITH face AND length AND line AND eyes AND processing WITH unit	US-PGPUB; USPAT	OR	ON	2007/04/30 13:36
S15 0	26530	mobile WITH telephone WITH camera SAME comparing WITH face AND length eyes AND processing WITH unit	US-PGPUB; USPAT	OR	ON	2007/04/30 13:37
S15 1	0	(mobile WITH telephone WITH camera) SAME (comparing WITH face WITH length eyes AND processing WITH unit)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:37
S15 2	0	(mobile WITH telephone WITH camera) SAME (comparing WITH face AND length eyes AND (processing WITH unit))	US-PGPUB; USPAT	OR	ON	2007/04/30 13:37
S15 3	0	mobile WITH telephone WITH camera WITH initialization WITH value WITH face	US-PGPUB; USPAT	OR	ON	2007/04/30 13:38
S15 4	24	(mobile WITH telephone WITH camera) AND (initialization WITH value AND face)	US-PGPUB; USPAT	OR	ON	2007/04/30 13:41

## EAST Search History

S15 5	55	(processing WITH unit SAME compar\$) AND (initialization WITH value OR length AND line) WITH face	US-PGPUB; USPAT	OR	ON	2007/04/30 13:42
S15 6	2	(processing WITH unit SAME compar\$) AND (initialization WITH value OR length AND line) WITH face AND telephone WITH mobile	US-PGPUB; USPAT	OR	ON	2007/04/30 13:44
S15 7	0	processing WITH face WITH recognition WITH length WITH line	US-PGPUB; USPAT	OR	ON	2007/04/30 13:44
S15 8	0	face WITH recognition WITH length WITH line	US-PGPUB; USPAT	OR	ON	2007/04/30 13:44
S15 9	1	("20050221856").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:24
S16 0	1	("20030100261").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 16:24
S16 1	12	(control WITH information WITH signal) SAME (mobile WITH telephone WITH camera)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:12
S16 2	17	(image WITH photograph ) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:18
S16 3	56	(image OR photograph OR camera AND mobile ) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:18
S16 4	56	(image OR photograph OR camera AND (mobile WITH telephone) ) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:23
S16 5	9113	(mobile WITH (communication OR phone) WITH camera)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:24
S16 6	225	(mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:25
S16 7	51	(mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:25
S16 8	1	(mobile WITH (communication OR phone) WITH camera) SAME (detect\$3 WITH face) AND (detect\$3 WITH eyes)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:25

## EAST Search History

S16 9	3	(mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:26
S17 0	1	(mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:27
S17 1	3	(mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value)	US-PGPUB; USPAT	OR	ON	2007/04/30 17:27